

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW021521\  
 Data File : VW018145.D  
 Acq On : 15 Feb 2021 19:03  
 Operator : SY/VA  
 Sample : M1370-14RE  
 Misc : 5.13G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 DBGZ0RE

Manual Integrations  
 APPROVED

MMDadoda  
 2/17/2021 10:35:32 AM

Quant Time: Feb 16 02:27:40 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SOM2WLM012921S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Feb 16 02:20:15 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) 1,4-Difluorobenzene        | 8.841          | 114  | 341177     | 25.00   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.628         | 117  | 222179     | 25.00   | ug/L   | 0.00     |
| 60) 1,4-Dichlorobenzene-d4    | 13.554         | 152  | 56796      | 25.00   | ug/L   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 4) Vinyl Chloride-d3          | 2.355          | 65   | 62149      | 14.66   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 58.64%  |        |          |
| 7) Chloroethane-d5            | 2.891          | 69   | 58594      | 17.41   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 69.64%  |        |          |
| 10) 1,1-Dichloroethene-d2     | 4.019          | 63   | 102389     | 12.08   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = | 48.32%  |        |          |
| 20) 2-Butanone-d5             | 7.074          | 46   | 38314      | 33.86   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 67.72%  |        |          |
| 24) Chloroform-d              | 7.647          | 84   | 163644     | 18.28   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = | 73.12%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 8.305          | 65   | 83805m     | 17.57   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 70.28%  |        |          |
| 29) Benzene-d6                | 8.275          | 84   | 312196     | 25.59   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = | 102.36% |        |          |
| 33) 1,2-Dichloropropane-d6    | 9.274          | 67   | 88998      | 26.08   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = | 104.32% |        |          |
| 37) Toluene-d8                | 10.323         | 98   | 253190     | 21.81   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = | 87.24%  |        |          |
| 38) trans-1,3-Dichloroprop... | 10.579         | 79   | 29774      | 19.25   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = | 77.00%  |        |          |
| 39) 2-Hexanone-d5             | 10.926         | 63   | 30547      | 46.83   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 93.66%  |        |          |
| 48) 1,1,2,2-Tetrachloroeth... | 12.694         | 84   | 53845      | 17.97   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = | 71.88%  |        |          |
| 61) 1,2-Dichlorobenzene-d4    | 13.853         | 152  | 39502      | 19.50   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = | 78.00%  |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         | Qvalue |          |
| 13) Acetone                   | 4.117          | 43   | 196017     | 234.15  | ug/L   | 98       |
| 14) Carbon disulfide          | 4.385          | 76   | 43873      | 3.30    | ug/L   | 100      |
| 16) Methylene chloride        | 4.921          | 84   | 16005      | 2.93    | ug/L   | 89       |
| 21) 2-Butanone                | 7.171          | 43   | 11532      | 9.05    | ug/L   | 98       |
| 30) Cyclohexane               | 7.951          | 56   | 31788      | 6.26    | ug/L   | 96       |
| 34) Benzene                   | 8.323          | 78   | 239581     | 18.45   | ug/L   | 100      |
| 36) Methylcyclohexane         | 9.335          | 83   | 100444     | 16.32   | ug/L   | 96       |
| 44) Toluene                   | 10.390         | 91   | 80335      | 5.62    | ug/L   | 96       |
| 53) Ethylbenzene              | 11.731         | 91   | 39224      | 2.42    | ug/L   | 97       |
| 54) m,p-Xylene                | 11.835         | 106  | 42040      | 6.79    | ug/L   | 90       |
| 55) o-xylene                  | 12.164         | 106  | 13443      | 2.29    | ug/L   | 98       |
| 57) Isopropylbenzene          | 12.463         | 105  | 281162     | 17.18   | ug/L   | 99       |
| -----                         |                |      |            |         |        |          |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

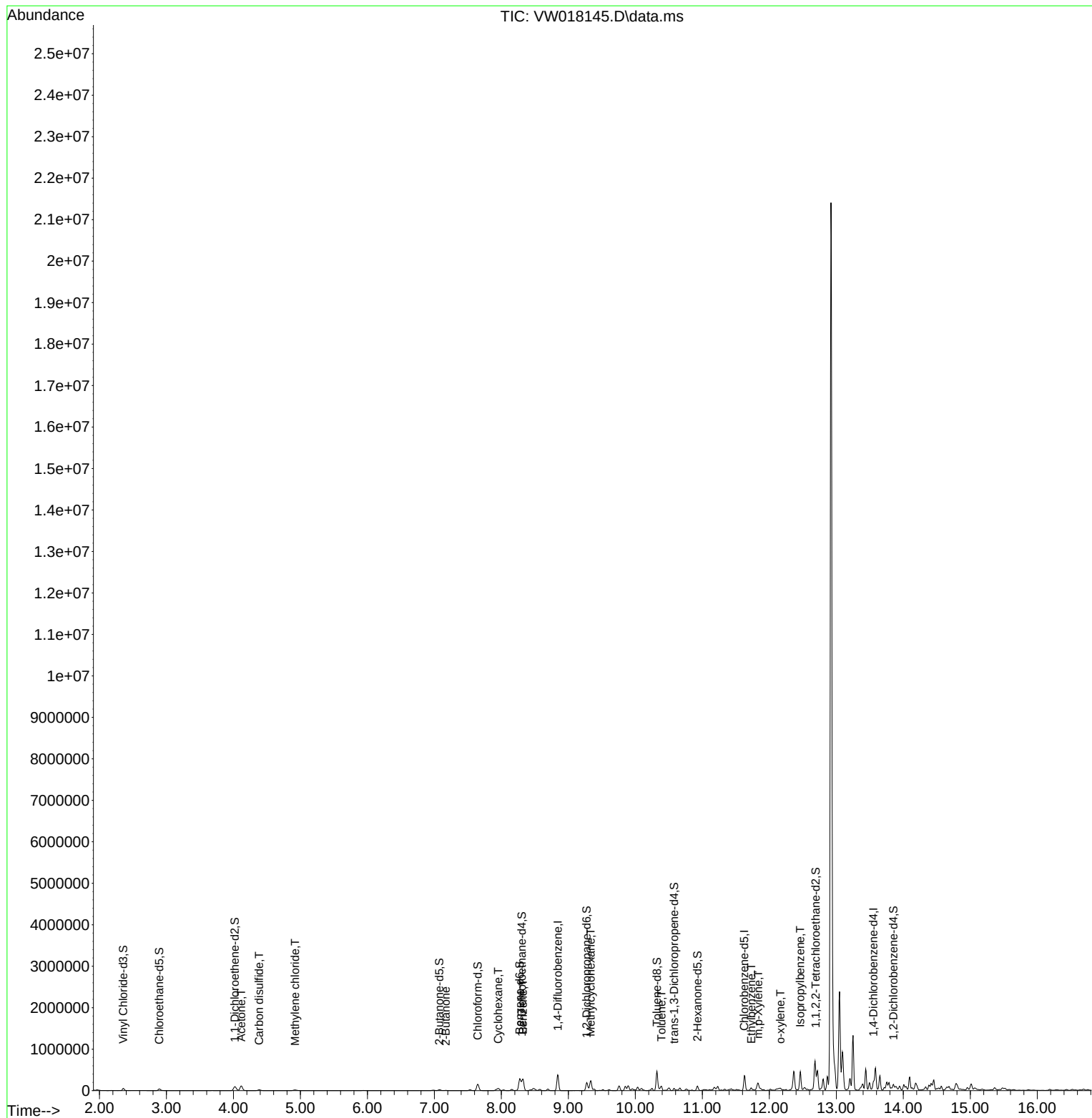
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW021521\  
Data File : VW018145.D  
Acq On : 15 Feb 2021 19:03  
Operator : SY/VA  
Sample : M1370-14RE  
Misc : 5.13G/10ML/MSVOA\_W/SOIL  
ALS Vial : 25 Sample Multiplier: 1

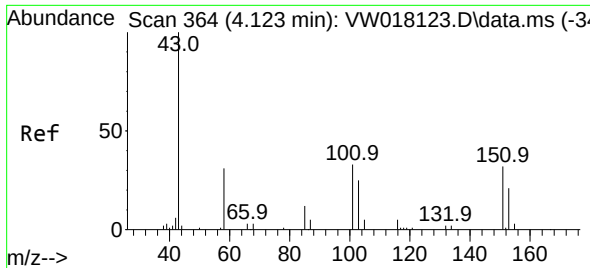
Instrument :  
MSVOA\_W  
ClientSampleId :  
DBGZ0RE

Manual Integrations  
APPROVED

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2/17/2021 10:35:32 AM

Quant Time: Feb 16 02:27:40 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SOM2WLM012921S.M  
Quant Title : VOC Analysis  
QLast Update : Tue Feb 16 02:20:15 2021  
Response via : Initial Calibration





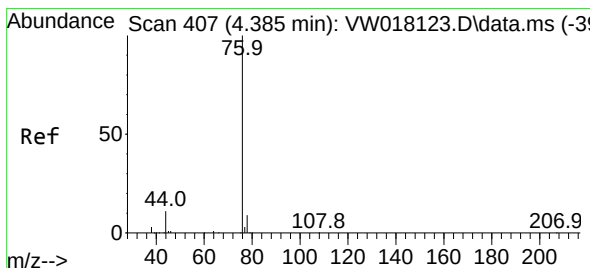
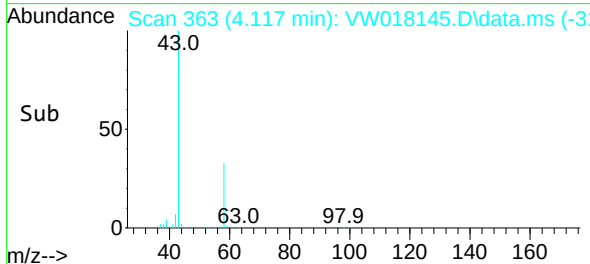
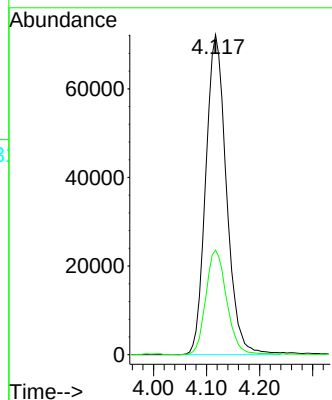
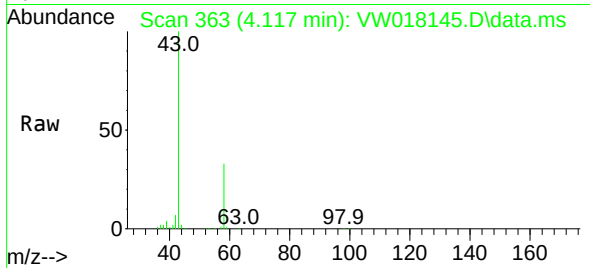
#13  
Acetone  
Concen: 234.15 ug/L  
RT: 4.117 min Scan# 363  
Delta R.T. -0.006 min  
Lab File: VW018145.D  
Acq: 15 Feb 2021 19:03

Tgt Ion: 43 Resp: 196017  
Ion Ratio Lower Upper  
43 100  
58 32.9 0.0 68.4

Instrument :  
MSVOA\_W  
ClientSampleId :  
DBGZ0RE

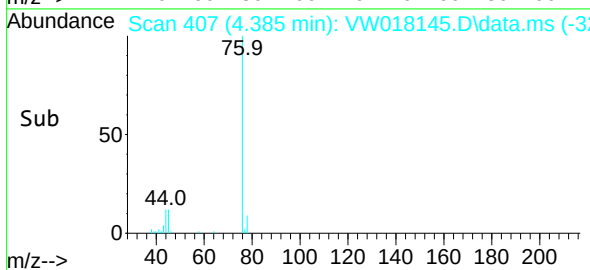
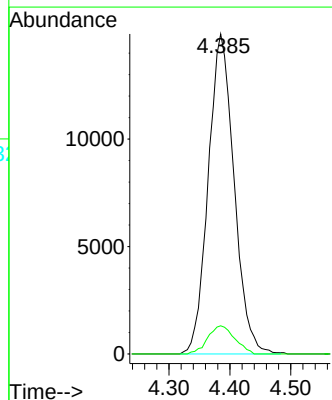
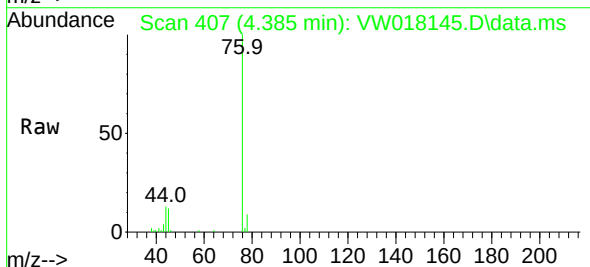
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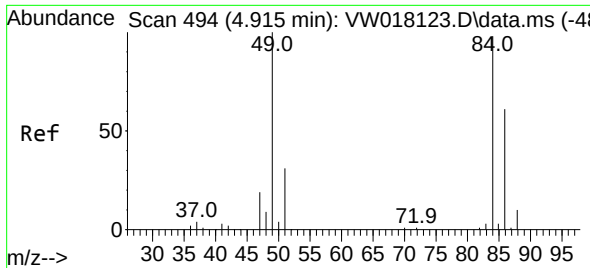
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2/17/2021 10:35:32 AM



#14  
Carbon disulfide  
Concen: 3.30 ug/L  
RT: 4.385 min Scan# 407  
Delta R.T. -0.000 min  
Lab File: VW018145.D  
Acq: 15 Feb 2021 19:03

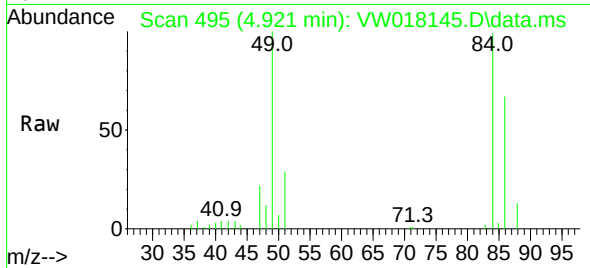
Tgt Ion: 76 Resp: 43873  
Ion Ratio Lower Upper  
76 100  
78 8.8 7.0 10.4





#16  
Methylene chloride  
Concen: 2.93 ug/L  
RT: 4.921 min Scan# 495  
Delta R.T. 0.006 min  
Lab File: VW018145.D  
Acq: 15 Feb 2021 19:03

Instrument :  
MSVOA\_W  
ClientSampleId :  
DBGZ0RE

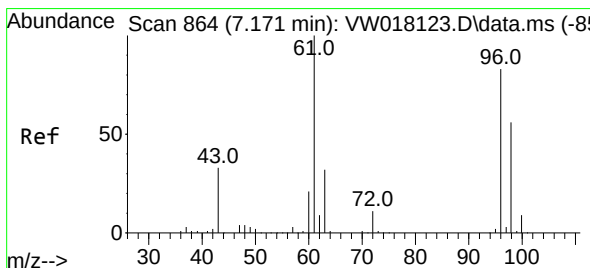
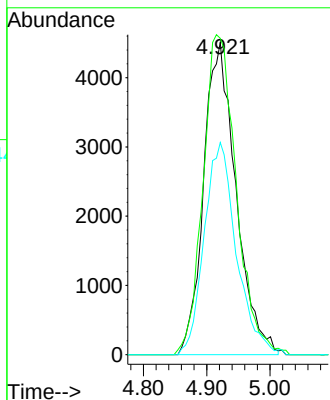
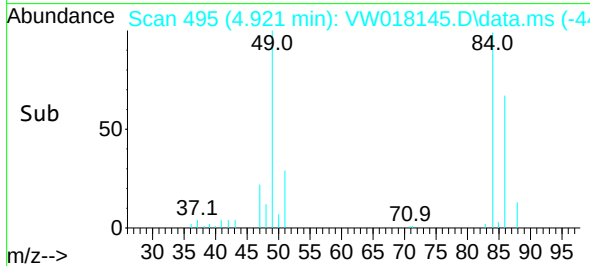


Tgt Ion: 84 Resp: 16005

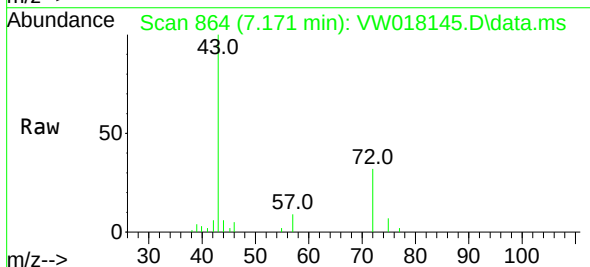
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 101.2 | 81.2  | 150.8 |
| 86  | 67.9  | 44.5  | 82.7  |

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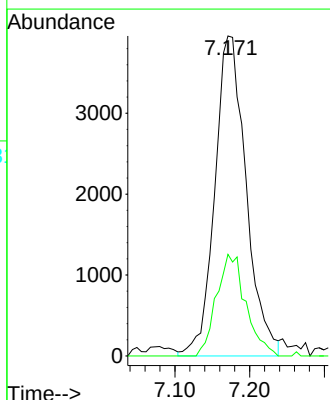
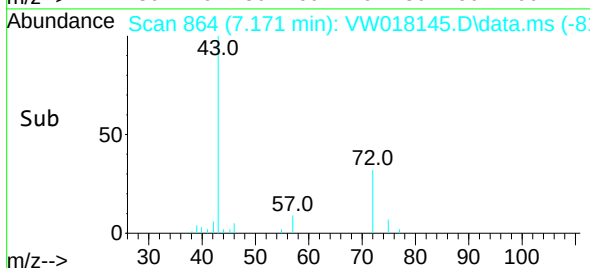


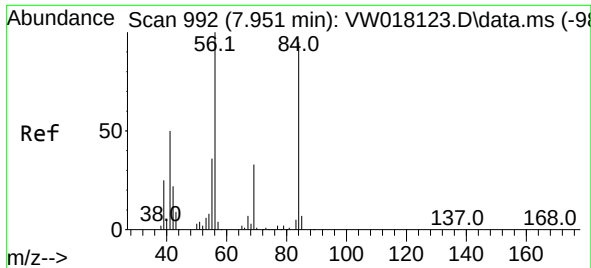
#21  
2-Butanone  
Concen: 9.05 ug/L  
RT: 7.171 min Scan# 864  
Delta R.T. -0.000 min  
Lab File: VW018145.D  
Acq: 15 Feb 2021 19:03



Tgt Ion: 43 Resp: 11532

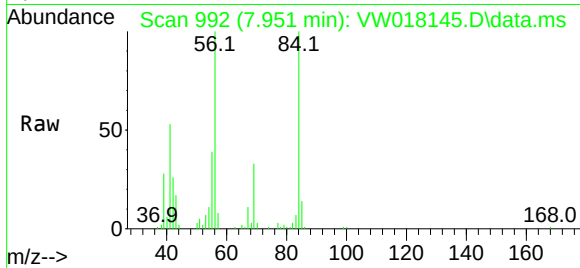
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 72  | 29.7  | 14.4  | 43.2  |





#30  
Cyclohexane  
Concen: 6.26 ug/L  
RT: 7.951 min Scan# 992  
Delta R.T. -0.000 min  
Lab File: VW018145.D  
Acq: 15 Feb 2021 19:03

Instrument :  
MSVOA\_W  
ClientSampleId :  
DBGZ0RE

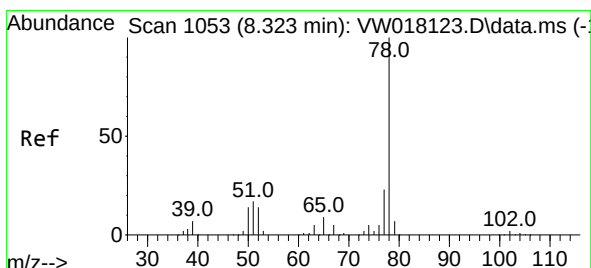
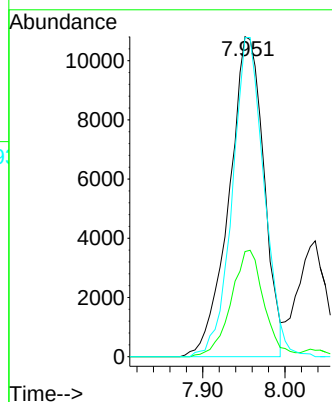
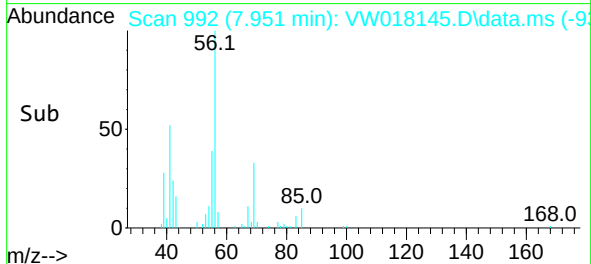


Tgt Ion: 56 Resp: 31788

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 31.3  | 24.8  | 37.2  |
| 84  | 88.1  | 74.2  | 111.4 |

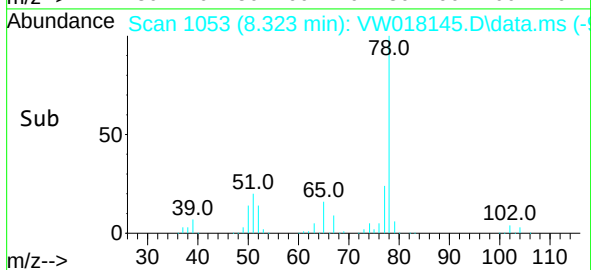
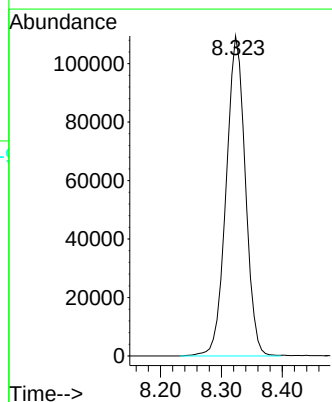
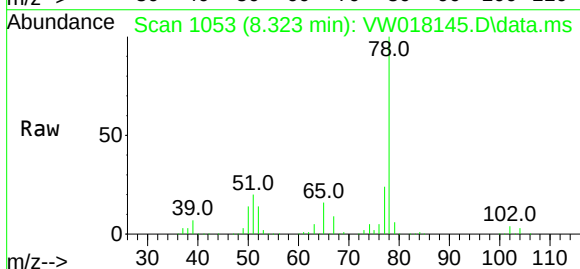
Manual Integrations  
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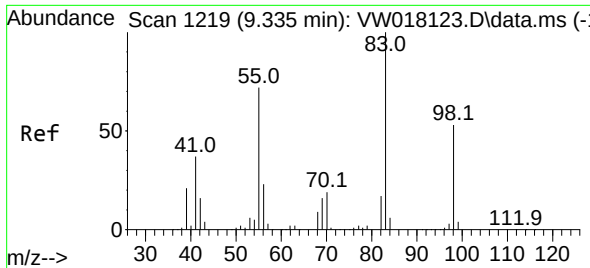
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2/17/2021 10:35:32 AM



#34  
Benzene  
Concen: 18.45 ug/L  
RT: 8.323 min Scan# 1053  
Delta R.T. -0.000 min  
Lab File: VW018145.D  
Acq: 15 Feb 2021 19:03

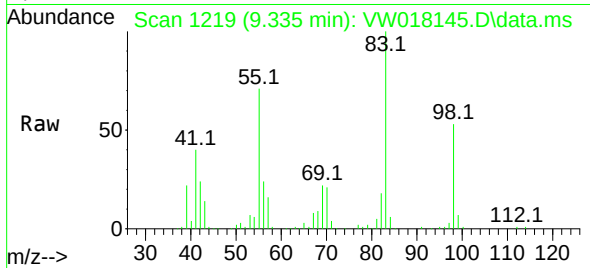
Tgt Ion: 78 Resp: 239581





#36  
Methylcyclohexane  
Concen: 16.32 ug/L  
RT: 9.335 min Scan# 1219  
Delta R.T. -0.000 min  
Lab File: VW018145.D  
Acq: 15 Feb 2021 19:03

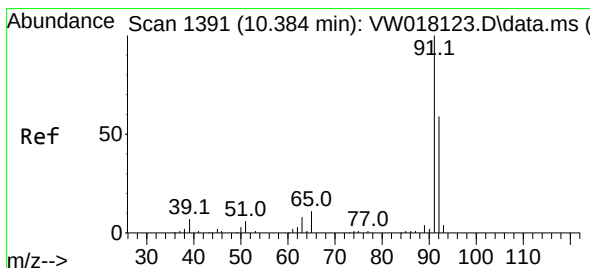
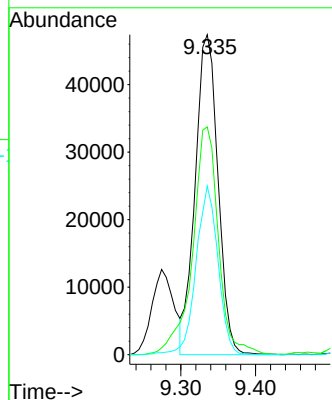
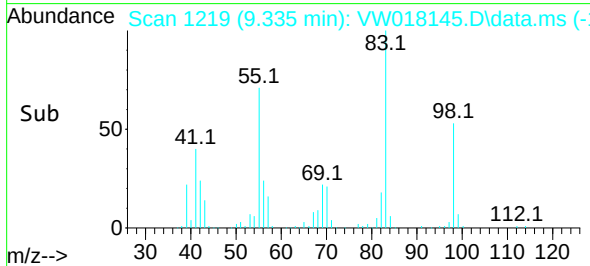
Instrument :  
MSVOA\_W  
ClientSampleId :  
DBGZ0RE



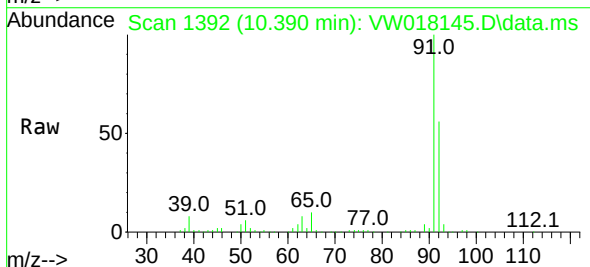
Tgt Ion: 83 Resp: 100444  
Ion Ratio Lower Upper  
83 100  
55 80.5 59.4 89.0  
98 50.8 40.7 61.1

Manual Integrations  
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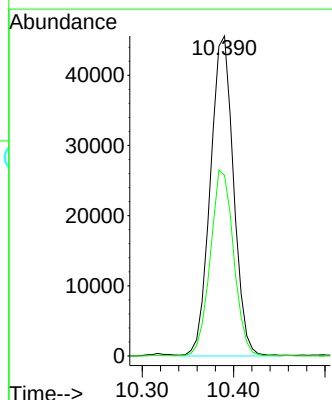
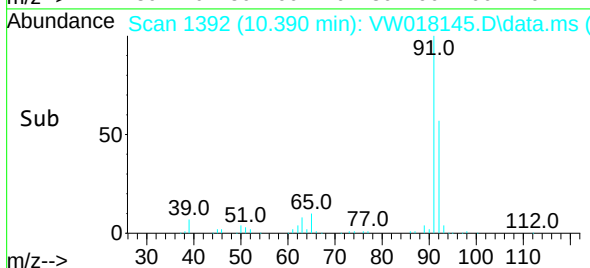
MMDadoda  
2/17/2021 10:35:32 AM

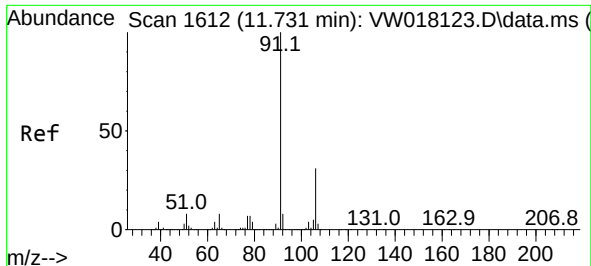


#44  
Toluene  
Concen: 5.62 ug/L  
RT: 10.390 min Scan# 1392  
Delta R.T. 0.006 min  
Lab File: VW018145.D  
Acq: 15 Feb 2021 19:03



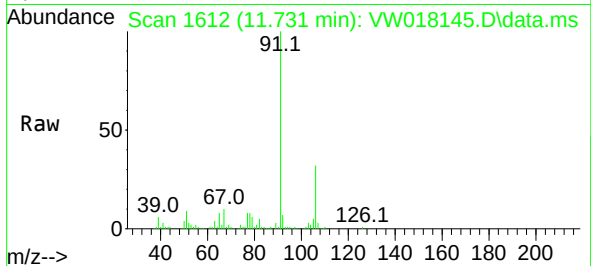
Tgt Ion: 91 Resp: 80335  
Ion Ratio Lower Upper  
91 100  
92 56.4 41.6 77.3





#53  
Ethylbenzene  
Concen: 2.42 ug/L  
RT: 11.731 min Scan# 1612  
Delta R.T. -0.000 min  
Lab File: VW018145.D  
Acq: 15 Feb 2021 19:03

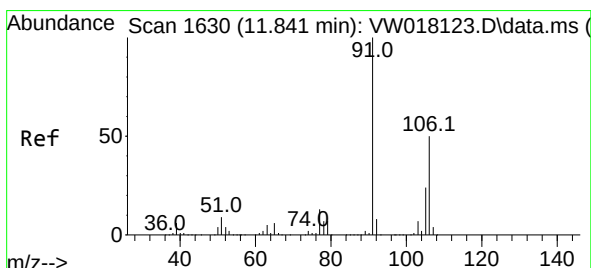
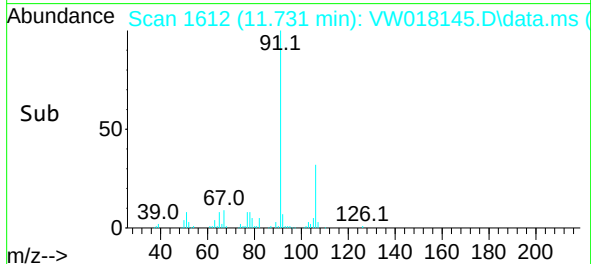
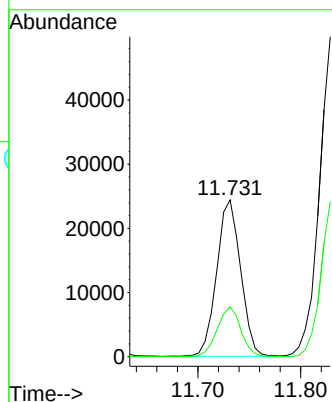
Instrument :  
MSVOA\_W  
ClientSampleId :  
DBGZ0RE



Tgt Ion: 91 Resp: 39224  
Ion Ratio Lower Upper  
91 100  
106 31.9 21.1 39.1

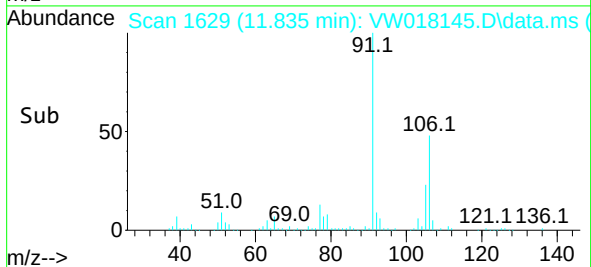
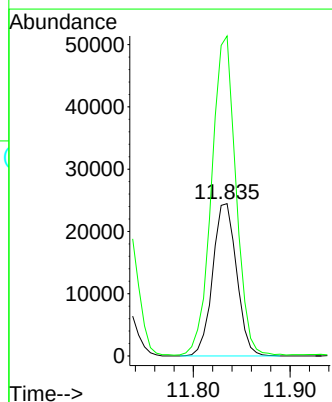
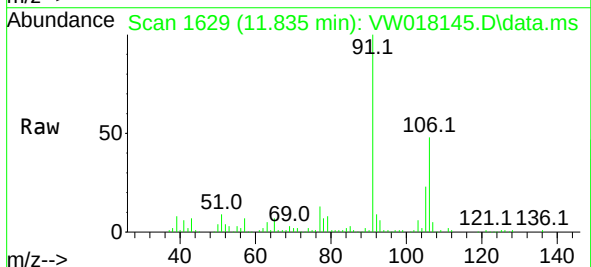
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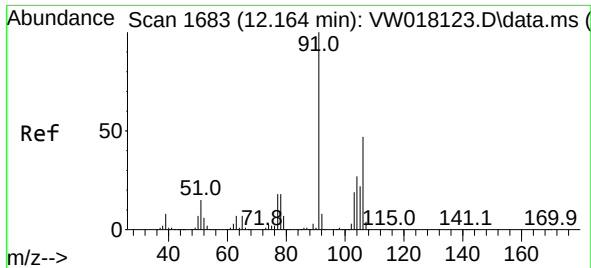
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2/17/2021 10:35:32 AM



#54  
m,p-Xylene  
Concen: 6.79 ug/L  
RT: 11.835 min Scan# 1629  
Delta R.T. -0.006 min  
Lab File: VW018145.D  
Acq: 15 Feb 2021 19:03

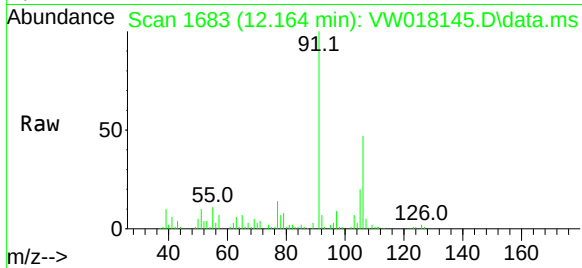
Tgt Ion: 106 Resp: 42040  
Ion Ratio Lower Upper  
106 100  
91 210.1 136.4 253.4





#55  
o-xylene  
Concen: 2.29 ug/L  
RT: 12.164 min Scan# 1683  
Delta R.T. -0.000 min  
Lab File: VW018145.D  
Acq: 15 Feb 2021 19:03

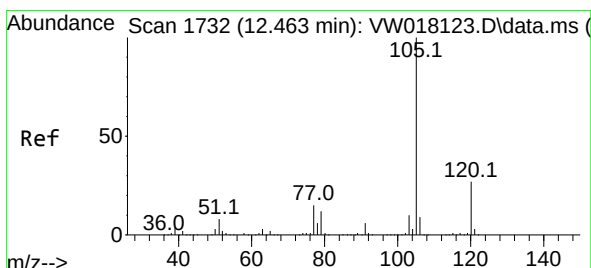
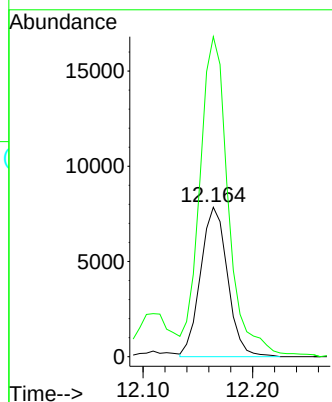
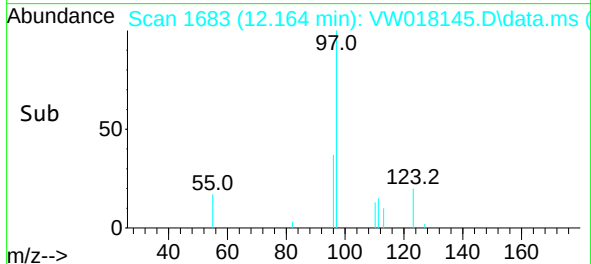
Instrument :  
MSVOA\_W  
ClientSampleId :  
DBGZ0RE



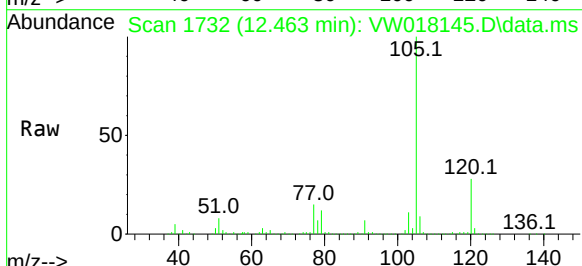
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Manual Integrations  
APPROVED

MMDadoda  
2/17/2021 10:35:32 AM



#57  
Isopropylbenzene  
Concen: 17.18 ug/L  
RT: 12.463 min Scan# 1732  
Delta R.T. -0.000 min  
Lab File: VW018145.D  
Acq: 15 Feb 2021 19:03



Tgt Ion:105 Resp: 281162  
Ion Ratio Lower Upper  
105 100  
120 27.3 21.4 32.2  
77 15.2 12.1 18.1

